

ASSIGNMENT 1

Textbook Assignment: "Network Administration," chapter 1, pages 1-1 through 1-19.

- 1-1. Networking gives an individual the capability to communicate and connect with another individual or another system in order to accomplish which of the following tasks?
1. Send messages
 2. Share resources
 3. Extend processing
 4. Perform multiprocessing
- 1-2. Which of the following types of cables is NOT used for communications?
1. Coaxial
 2. Fiber optic
 3. Solid core
 4. Twisted-pair
- 1-3. Login procedures that are accomplished by dialing into an access server are known by which of the following terms?
1. Dialup access
 2. Distance access
 3. Extended access
 4. Remote access
- 1-4. The first thing that the initialization program checks is which of the following areas?
1. Connections
 2. Memory
 3. Peripherals
 4. User accounts
- 1-5. What is the function of the kernel?
1. Establishes communications
 2. Initializes the system
 3. Mounts and initializes system files
 4. Verifies the integrity of the root filesystem
- 1-6. How many primary modes of system operation are there?
1. One
 2. Two
 3. Three
 4. Four
- 1-7. Rebooting the system is called for in how many common situations?
1. Five
 2. Two
 3. Six
 4. Four
- 1-8. When shutting down the system, turning off the power to the CPU is recommended under which of the following times or conditions?
1. End of the day
 2. End of the week
 3. Normal conditions
 4. Emergency conditions

- 1-9. Which of the following is NOT a reason why you should monitor the network?
1. To enable you to tune your network
 2. To establish communications
 3. To maintain a performance history
 4. To provide a statistical basis for equipment purchases
- 1-10. The main importance of reviewing audit/event logs is which of the following functions?
1. Check system throughput
 2. Monitor system degradation
 3. Monitor system security
 4. Verify password attempts
- 1-11. By using the audit logs, a network administrator can track which of the following areas?
1. Which files were accessed
 2. When files were accessed
 3. Who accessed certain files
 4. Each of the above
- 1-12. How many interrupt request lines (IRQs) are there in a PC environment?
1. 14
 2. 16
 3. 18
 4. 20
- 1-13. IRQ values for a device may be set through software or manually by which of the following ways?
1. DIP switches
 2. Expansion slot
 3. Type of cable used
 4. Order in which device was installed
- 1-14. Network performance is governed by which of the following areas?
1. Administration
 2. Hardware
 3. Software
 4. Both 2 and 3 above
- 1-15. Besides a physical interface between the device and the computer, what other type of interface does a port provide?
1. Electrical
 2. Logical
 3. Parallel
 4. Transfer
- 1-16. Which of the following terms is used to describe the process used by an application to test a remote device?
1. Pinging
 2. Ringing
 3. Signaling
 4. Sounding

- 1-17. The interface between the telecommunications access software and the application programs is known by which of the following terms?
1. Network operating system
 2. Network system software
 3. Telecommunications access software
 4. Teleprocessing monitor
- 1-18. Electronic mail is classified as what type of software program?
1. Communications
 2. Utility
 3. Network access
 4. Network operating
- 1-19. Which of the following terms describes the prevention of files from being updated by more than one user at a time?
1. Data integrity
 2. Data validity
 3. System access
 4. System security
- 1-20. The different levels of access can be designated by which of the following terms?
1. Private
 2. Public
 3. Shared
 4. Each of the above
- 1-21. Network software often provides some type of locking capability. This locking feature prevents which of the following actions?
1. Access to the file while it is being worked on
 2. Logging onto more than one workstation at a time
 3. Security violations from occurring
 4. Unauthorized users from logging onto the network
- 1-22. Once the software is installed on the network, it must be tested.
1. True
 2. False
- 1-23. How many methods are used to provide service restoration after system degradation?
1. Five
 2. Two
 3. Three
 4. Four
- 1-24. DELETED

- 1-25. What is the minimum percentage to be used in calculating the available resources for the network?
1. 10
 2. 15
 3. 20
 4. 25
- 1-26. How many major types of LAN configurations are there?
1. Five
 2. Six
 3. Three
 4. Four
- 1-27. Which of the following topologies was the earliest type?
1. Bus
 2. Ring
 3. Star
 4. Distributed
- 1-28. Which of the following topologies permits centralized diagnostics of all functions?
1. Bus
 2. Ring
 3. Star
 4. Distributed
- 1-29. Which of the following topologies is used in many low-cost LANs?
1. Bus
 2. Ring
 3. Star
 4. Distributed
- 1-30. Which of the following topologies normally requires the entire network be brought down to add a new node?
1. Bus
 2. Ring
 3. Star
 4. Distributed
- 1-31. Which of the following topologies can be easily adapted to the physical arrangement of the facility site?
1. Bus
 2. Ring
 3. Star
 4. Distributed
- 1-32. Which of the following protocols is/are used-to control line discipline?
1. Asynchronous data control
 2. Binary synchronous communications
 3. Synchronous data link control
 4. Both 2 and 3 above
- 1-33. The access method that will be used is governed primarily by which of the following factors?
1. Protocol
 2. Topology
 3. Both 1 and 2
 4. Network operating system

1-34. Using the token passing access method, what, if anything, happens when the transmitting station receives the same token?

1. The message is being sent
2. The message has been passed around the network
3. The message has been appended by another station
4. Nothing

1-35. How many layers are there in the OSI reference model?

1. Five
2. Six
3. Seven
4. Eight

1-36. The physical layer is which layer number of the OSI reference model?

1. One
2. Two
3. Three
4. Four

1-37. Which layer provides error-free transmission of information over the physical medium?

1. Data link
2. Network
3. Physical
4. Transport

1-38. The network layer is which layer number of the OSI reference model?

1. One
2. Two
3. Three
4. Four

1-39. The transport layer is which layer number of the OSI reference model?

1. Five
2. Two
3. Three
4. Four

1-40. Which layer ensures data units are delivered error-free, in sequence, with no losses or duplications?

1. Network
2. Presentation
3. Session
4. Transport

1-41. Which layer performs the functions that enable two applications to communicate across the network?

1. Network
2. Presentation
3. Session
4. Transport

1-42. Which layer formats data to be presented to the application layer?

1. Network
2. Presentation
3. Session
4. Transport

1-43. Which layer represents the services that directly support users?

1. Application
2. Network
3. Physical
4. Session

1-44. Which of the following cable types is the least expensive?

1. Coaxial
2. Fiber optic
3. Solid core
4. Twisted-pair

1-45. For network purposes, 22- and 24-gauge wire are the most common types of which of the following types of cables?

1. Coaxial
2. Fiber optic
3. Solid core
4. Twisted-pair

1-46. Which of the following types of cable can handle a data flow of up to approximately one Mbps?

1. Coaxial
2. Fiber optic
3. Solid core
4. Twisted-pair

1-47. Coaxial cable is used extensively in LANs whenever the distance involved is relatively short, generally less than how many miles (a) for baseband and (b) for broadband?

1. (a) 1 (b) 5
2. (a) 2 (b) 5
3. (a) 2 (b) 10
4. (a) 5 (b) 10

1-48. DELETED

1-49. Why is fiber optic cable immune to electrical interference of any kind?

1. Has only one strand per cable
2. Has thick shielding
3. Carries no electrical current
4. Uses double insulation on each wire

1-50. DELETED

1-51. Firewalls can be divided into how many different categories?

1. Five
2. Two
3. Three
4. Four

1-52. What piece of hardware is typically used to implement packet filtering?

1. Bridge
2. Gateway
3. Hub
4. Router

1-53. Which of the following features can be provided by a firewall?

1. Address translation
2. Authentication
3. Virtual private networks
4. All of the above